

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-2 (Cancelled)

2 —~~3.~~ (Previously Presented) The method of claim ¹24, wherein the polynucleotide encoding a chimeric Ad fiber polypeptide encodes SEQ ID NO:1.

3 —~~4.~~ (Previously Presented) The method of claim ¹24, wherein the shaft region comprises amino acids 46-188 of SEQ ID NO:1.

4 —~~5.~~ (Previously Presented) The method of claim ¹24, wherein the knob region comprises amino acids 189-371 of SEQ ID NO:1.

Claim 6 (Cancelled)

5 —~~7.~~ (Previously Presented) The method of claim ¹24, wherein the polynucleotide encoding a chimeric Ad fiber polypeptide comprises SEQ ID NO:12.

6 —~~8.~~ (Original) The method of claim ⁵7, wherein the polynucleotide comprises nucleotides 1-564 of SEQ ID NO:12.

7 —~~9.~~ (Previously Pending) The method of claim ¹24, wherein the polynucleotide encoding a chimeric Ad fiber polypeptide comprises nucleotides 1-135 of SEQ ID NO:12.

10. (Cancelled)

8 —~~11.~~ (Previously Presented) The method of claim ¹24, wherein the polynucleotide comprises nucleotides 136-564 of SEQ ID NO:12.

1

9 —12— (Previously Presented) The method of claim 24, wherein the tail region is an Ad5 tail region, the shaft region is an Ad30 shaft region comprising amino acids 46-188 of SEQ ID NO:1, and the knob region is an Ad30 knob region.

9

10 —13— (Original) The method of claim 12, wherein the polynucleotide encoding the shaft region comprises nucleotides 136-564 of SEQ ID NO:12.

Claims 14-23 (Cancelled)

1 —24— (Currently Amended) A method of transducing a cell lacking CAR comprising contacting the cell with an expression vector comprising an Ad backbone nucleic acid sequence and polynucleotide encoding a chimeric adenovirus (Ad) fiber polypeptide comprising at least one of the following: a tail region, a shaft region and a knob region, wherein the polynucleotide encoding a chimeric Ad fiber polypeptide encodes SEQ ID NO:1, encodes amino acids 46-188 of SEQ ID NO:1, encodes amino acids 189-371 of SEQ ID NO:1, ~~encodes amino acids 1-45 of SEQ ID NO:1, encodes~~ or wherein the polynucleotide comprises SEQ ID NO:12, ~~encodes~~ comprises nucleotides 1-564 of SEQ ID NO:12, ~~encodes~~ comprises nucleotides 1-135 of SEQ ID NO:12, or ~~encodes~~ comprises nucleotides 136-564 of SEQ ID NO:12.

1

11 —25— (Previously Presented) The method of claim 24, wherein the expression vector further comprises a nucleotide sequence encoding a therapeutic agent.

1

12 —26— (Previously Presented) The method of claim 24, wherein the polynucleotide encoding a chimeric Ad fiber polypeptide is operably linked to a polynucleotide encoding an amino acid sequence for a therapeutic agent.

1

13 —27— (Previously Presented) The method of claim 24, wherein the cell is a neuronal or epithelial cell.

13

14 —28.— (Previously Presented) The method of claim 27, wherein the cell is a human umbilical
vein epithelial cell (HUVEC).

1

15 —29.— (Previously Presented) The method of claim 24, wherein the cell is a tumor cell.

15

16 —30.— (Previously Presented) The method of claim 29, wherein the tumor cell is from prostate,
brain, breast, lung, spleen, kidney, heart, or liver.

1

17 —31.— (Previously Presented) The method of claim 24, wherein the cell is a neuroprogenitor or
stem cell.

Claim 32 (Cancelled)